inf705 - Practical in Computer Science Education

Module label
Practical in Computer Science Education

Module code
inf705

Credit points
6.0 KP

Workload
180 h

Used in course of study
- Master's Programme Computing Science > Technische Informatik

Module responsibility
- Ira Diethelm
- Die im Modul Lehrenden

Authorized examiners
- Ira Diethelm
- Die im Modul Lehrenden

Entry requirements

Skills to be acquired in this module
Professional competence
The students:
- know hard- and software system engineering approaches and use them in practice
- make a qualified and contextual choice of hard- and software designing approaches
- characterise and consider challenges of soft- and hardware systems in education

Methodological competence
The students:
- know engineering approaches and use them in new contexts
- evaluate decision making concepts and use them in different domains

Social competence
The students:
- cooperate with team members during the development process
- recognize package tasks and resume their responsibilities
- analyse team conflicts and resolve them
- document the software development process in a team
- moderate team meetings and decision making processes appropriately

Self-competence
The students:
- reflect their self-perception with regard to the implementation of software systems

Module contents
A hard- or software system for education will be designed in this practical course.
The requirements analysis of hard- or software systems and the dealing with customers are the main topics of this practical course.

Reader's advisory
As announced in course

Links

Language of instruction
German

Duration (semesters)
1 Semester

Module frequency
jährlich

Module capacity
unlimited

Module level
AS (Akzentsetzung / Accentuation)

Modulart
je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program
P

Vorkenntnisse / Previous knowledge

Examination
Final exam of module
Time of examination
At the end of the semester
Type of examination
Practical implementation, presentation and oral exam

Course type
Practical
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